

Fig. 1a

GGGAAATGCTACCATTCGCTCCTCAGGACGAGCCCTGGGACCGAGAAATGGAAGTGTTCA 60
M L P F A P Q D E P W D R E M E V F S 19
GCGGCGGCGGCGGAGCAGCGGCGAGGTAAATGGTCTTAAAATGGTTGATGAGCCAATGG 120
G G G A S S G E V N G L K M V D E P M E 39
AAGAGGGAGAAGCAGATTCTTGTCATGATGAAGGAGTTGTTAAAGAAATCCCTATTACTC 180
E G E A D S C H D E G V V K E I P I T H 59
ATCATGTTAAGGAAGGCTATGAGAAAGCAGATCCTGCACAGTTTGAGTTGCTCAAGGTTC 240
H V K E G Y E K A D P A Q F E L L K V L 79
TTGGTCAGGGGTCAATTTGGAAAGGTTTTTCTTGTTAGAAAGAAGACCGGTCCTGATGCTG 300
G Q G S F G K V F L V R K K T G P D A G 99
GGCAGCTCTATGCAATGAAGGTGTTAAAAAAGCCTCTTTAAAAGTTTCGAGACAGAGTTC 360
Q L Y A M K V L K K A S L K V R D R V R 119
GGACAAAGATGGAGAGGGATATACTGGTGGAAGTAAATCATCCATTTATTGTCAAATTGC 420
T K M E R D I L V E V N H P F I V K L H 139
ACTATGCCTTTTCAGACTGAAGGGAAACTGTACTTAATACTGGATTTTCTCAGGGGAGGAG 480
Y A F Q T E G K L Y L I L D F L R G G D 159
ATGTTTTTCACAAGATTATCCAAAGAGGTTCTGTTTACAGAGGAAGATGTGAAATTCTACC 540
V F T R L S K E V L F T E E D V K F Y L 179
TCGCAGAACTGGCCCTTGCTTTGGATCATCTGCACCAATTAGGAATTGTTTATAGAGACC 600
A E L A L A L D H L H Q L G I V Y R D L 199
TGAAGCCAGAAAACATTTTGCTTGATGAAATAGGACATATCAAATTAACAGATTTTGGAC 660
K P E N I L L D E I G H I K L T D F G L 219
TCAGCAAGGAGTCAGTAGATCAAGAAAAGAAGGCTTACTCATTTTGTGGTACAGTAGAGT 720
S K E S V D Q E K K A Y S F C G T V E Y 239
ATATGGCTCCTGAAGTAGTAAATAGGAGAGGCCATTCCCAGAGTGCTGATTGGTGGTCAT 780
M A P E V V N R R G H S Q S A D W W S Y 259
ATGGTGTTCTTATGTTTGAAATGCTTACTGGTACTCTGCCATTTCAAGGTAAAGACAGAA 840
G V L M F E M L T G T L P F Q G K D R N 279
ATGAGACCATGAATATGATATTAAAAGCAAACTTGGAATGCCTCAATTTCTTAGTGCTG 900
E T M N M I L K A K L G M P Q F L S A E 299
AAGCACAAAGTCTTCTAAGGATGTTATTCAAAGGAATCCAGCAAATAGATTGGGATCAG 960
A Q S L L R M L F K R N P A N R L G S E 319
AAGGAGTTGAAGAAATCAAAGACATCTGTTTTTTGCAAATATTGACTGGGATAAATTAT 1020
G V E E I K R H L F F A N I D W D K L Y 339
ATAAAAGAGAAGTTCAACCTCCTTTCAAACCTGCTTCTGGAAAACCAGATGATACTTTTT 1080
K R E V Q P P F K P A S G K P D D T F C 359

Fig. 1b

GTTTTGATCCTGAATTTACTGCAAAAACACCTAAAGATTCTCCCGGTTTGCCAGCCAGTG 1140
F D P E F T A K T P K D S P G L P A S A 379
CAAATGCTCATCAGCTCTTCAAAGGATTTCAGCTTTGTTGCAACTTCTATTGCAGAAGAAT 1200
N A H Q L F K G F S F V A T S I A E E Y 399
ATAAAATCACTCCTATCACAAGTGCAAATGTATTACCAATTGTTTCAGATAAAATGGAAATG 1260
K I T P I T S A N V L P I V Q I N G N A 419
CTGCACAATTTGGTGAAGTATATGAATTGAAGGAGGATATTGGTGTGGCTCCTACTCTG 1320
A Q F G E V Y E L K E D I G V G S Y S V 439
TTTGCAAGCGATGCATACATGCAACTACCAACATGGAATTTGCAGTGAAGATCATTGACA 1380
C K R C I H A T T N M E F A V K I I D K 459
AAAGTAAGCGAGACCCTTCAGAAGAGATTGAAATATTGATGCGCTATGGACAACATCCCA 1440
S K R D P S E E I E I L M R Y G Q H P N 479
ACATTATTACTTTGAAGGATGTCTTTGATGATGGTAGATATGTTTACCTTGTTACGGATT 1500
I I T L K D V F D D G R Y V Y L V T D L 499
TAATGAAAGGAGGAGAGTACTTGACCGTATTCTCAAACAAAAATGTTTCTCGGAACGGG 1560
M K G G E L L D R I L K Q K C F S E R E 519
AGGCTAGTGATATACTATATGTAATAAGTAAGACAGTTGACTATCTTCATTGTCAAGGAG 1620
A S D I L Y V I S K T V D Y L H C Q G V 539
TTGTTTCATCGTGATCTTAAACCTAGTAATATTTTATACATGGATGAATCAGCCAGTGCAG 1680
V H R D L K P S N I L Y M D E S A S A D 559
ATTCAATCAGGATATGTGATTTTGGGTTTGCAAAACAACCTTCGAGGAGAAAATGGACTTC 1740
S I R I C D F G F A K Q L R G E N G L L 579
TCTTAACTCCATGCTACACTGCAAACCTTTGTTGCACCTGAGGTTCTTATGCAACAGGGAT 1800
L T P C Y T A N F V A P E V L M Q Q G Y 599
ATGATGCTGCTTGTGATATCTGGAGTTTAGGAGTCCTTTTTTACACAATGTTGGCTGGCT 1860
D A A C D I W S L G V L F Y T M L A G Y 619
ACACTCCATTTGCTAATGGCCCCAATGATACTCCTGAAGAGATACTGCTGCGTATAGGCA 1920
T P F A N G P N D T P E E I L L R I G N 639
ATGGAAAATTCTCTTTGAGTGGTGGAAACTGGGACAATATTTTCAGACGGAGCAAAGGGAG 1980
G K F S L S G G N W D N I S D G A K G A 659
CAATGGTTGCAACATACTCTGCCCTGACTCACAAGACCTTTCAACCAGTCCTAGAGCCTG 2040
M V A T Y S A L T H K T F Q P V L E P V 679
TAGCTGCTTCAAGCTTAGCCCAGCGACGGAGCATGAAAAGCGAACATCAACTGGCCTGT 2100
A A S S L A Q R R S M K K R T S T G L * 698
AAGATTTGTGGTGTTCCTAGGCCAAACTGGATGAAGATGAAATTAAATGTGTGGCTTTTT 2160
TCCTATTCTTATCAAAGGCATCGTTGTCTGCTAAATTACTTGAATATTAAGTAATATTAA 2220
ATCCCCATTTTTAGGGGAAGTGAGATTTAAAAAACCATTACAGGTCCACAATATTTCATA 2280

Fig. 1c

CTATGTGTTTGCAGTAGTGTTCAAGTGTTTATTTAAGCATATAATTGGTGTCCACCAGGT 2340
CCTCACAACCTTCTCTGCACACAAGCTTCTAAAATTCCTTTCAAATAAAGTTACTTTAATA 2400
TTT 2403

Fig. 2a

1
60
R P S 6 K A 6 V
GGGAAATGCTACCATTCGCTCCTCAGGACGAGCCCTGGGACCGAGAAATGGAAGTGTTC
R P S 6 K A 6
GGGAAATGCTACCATTCGCTCCTCAGGACGAGCCCTGGGACCGAGAAATGGAAGTGTTC

61
120
R P S 6 K A 6 V
GCGGCGGCGGCGCGAGCAGCGGCGAGGTAAATGGTCTTAAAATGGTTGATGAGCCAATGG
R P S 6 K A 6
GCGGCGGCGGCGCGAGCAGCGGCGAGGTAAATGGTCTTAAAATGGTTGATGAGCCAATGG

121
180
R P S 6 K A 6 V
AAGAGGGAGAAGCAGATTCTTGTCATGATGAAGGAGTTGTTAAAGAAATCCCTATTACTC
R P S 6 K A 6
AAGAGGGAGAAGCAGATTCTTGTCATGATGAAGGAGTTGTTAAAGAAATCCCTATTACTC

181
240
R P S 6 K A 6 V
ATCATGTTAAGGAAGGCTATGAGAAAGCAGATCCTGCACAGTTTGAGTTGCTCAAGGTTTC
R P S 6 K A 6
ATCATGTTAAGGAAGGCTATGAGAAAGCAGATCCTGCACAGTTTGAGTTGCTCAAGGTTTC

241
300
R P S 6 K A 6 V
TTGGTCAGGGGTCATTTGGAAAGGTTTTTCTTGTTAGAAAGAAGACCGGTCCTGATGCTG
R P S 6 K A 6
TTGGTCAGGGGTCATTTGGAAAGGTTTTTCTTGTTAGAAAGAAGACCGGTCCTGATGCTG

301
360
R P S 6 K A 6 V
GGCAGCTCTATGCAATGAAGGTGTTAAAAAAGCCTCTTTAAAAGTTTCGAGACAGAGTTC
RPS6KA6

Fig. 2b

GGCAGCTCTATGCAATGAAGGTGTTAAAAAAGCCTCTTTAAAAGTTGAGACAGAGTTC

361

420

R	P	S	6	K	A	6	V
GGACAAAGATGGAGAGGGATATACTGGTGGGAAGTAAATCATCCATTTATTGTCAAATTGC							
R	P	S	6	K	A	6	6
GGACAAAGATGGAGAGGGATATACTGGTGGGAAGTAAATCATCCATTTATTGTCAAATTGC							

421

480

R	P	S	6	K	A	6	V
ACTATGCCTTTTCAGACTGAAGGGAAACTGTACTTAATACTGGATTTTCTCAGGGGAGGAG							
R	P	S	6	K	A	6	6
ACTATGCCTTTTCAGACTGAAGGGAAACTGTACTTAATACTGGATTTTCTCAGGGGAGGAG							

481

540

R	P	S	6	K	A	6	V
ATGTTTTTCACAAGATTATCCAAAGAGGTTCTGTTTACAGAGGAAGATGTGAAATTCTACC							
R	P	S	6	K	A	6	6
ATGTTTTTCACAAGATTATCCAAAGAGGTTCTGTTTACAGAGGAAGATGTGAAATTCTACC							

541

600

R	P	S	6	K	A	6	V
TCGCAGAACTGGCCCTTGCTTTGGATCATCTGCACCAATTAGGAATTGTTTATAGAGACC							
R	P	S	6	K	A	6	6
TCGCAGAACTGGCCCTTGCTTTGGATCATCTGCACCAATTAGGAATTGTTTATAGAGACC							

601

660

R	P	S	6	K	A	6	V
TGAAGCCAGAAAACATTTTGCTTGATGAAATAGGACATATCAAATTAACAGATTTTGGAC							
R	P	S	6	K	A	6	6
TGAAGCCAGAAAACATTTTGCTTGATGAAATAGGACATATCAAATTAACAGATTTTGGAC							

661

720

Fig. 2c

R P S 6 K A 6 V
 TCAGCAAGGAGTCAGTAGATCAAGAAAAGAAGGCTTACTCATTTTGTGGTACAGTAGAGT
 R P S 6 K A 6
 TCAGCAAGGAGTCAGTAGATCAAGAAAAGAAGGCTTACTCATTTTGTGGTACAGTAGAGT

721

780

R P S 6 K A 6 V
 ATATGGCTCCTGAAGTAGTAAATAGGAGAGGCCATTCCCAGAGTGCTGATTGGTGGTCAT
 R P S 6 K A 6
 ATATGGCTCCTGAAGTAGTAAATAGGAGAGGCCATTCCCAGAGTGCTGATTGGTGGTCAT

781

840

R P S 6 K A 6 V
 ATGGTGTTCTTATGTTTGAAATGCTTACTGGTACTCTGCCATTTCAAGGTAAAGACAGAA
 R P S 6 K A 6
 ATGGTGTTCTTATGTTTGAAATGCTTACTGGTACTCTGCCATTTCAAGGTAAAGACAGAA

841

900

R P S 6 K A 6 V
 ATGAGACCATGAATATGATATTAAAAGCAAACCTTGGGAATGCCTCAATTTCTTAGTGCTG
 R P S 6 K A 6
 ATGAGACCATGAATATGATATTAAAAGCAAACCTTGGGAATGCCTCAATTTCTTAGTGCTG

901

960

R P S 6 K A 6 V
 AAGCACAAAGTCTTCTAAGGATGTTATTCAAAGGAATCCAGCAAATAGATTGGGATCAG
 R P S 6 K A 6
 AAGCACAAAGTCTTCTAAGGATGTTATTCAAAGGAATCCAGCAAATAGATTGGGATCAG

961

1020

R P S 6 K A 6 V
 AAGGAGTTGAAGAAATCAAAGACATCTGTTTTTTGCAAATATTGACTGGGATAAATTAT
 R P S 6 K A 6
 AAGGAGTTGAAGAAATCAAAGACATCTGTTTTTTGCAAATATTGACTGGGATAAATTAT

Fig. 2d

1021

1080

R	P	S	6	K	A	6	V
ATAAAAGAGAAGTTCAACCTCCTTTCAAACCTGCTTCTGGAAAACCAGATGATACTTTTT							
R	P	S	6	K	A	6	6
ATAAAAGAGAAGTTCAACCTCCTTTCAAACCTGCTTCTGGAAAACCAGATGATACTTTTT							

1081

1140

R	P	S	6	K	A	6	V
GTTTTGATCCTGAATTTACTGCAAAAACACCTAAAGATTCTCCCGGTTTGCCAGCCAGTG							
R	P	S	6	K	A	6	6
GTTTTGATCCTGAATTTACTGCAAAAACACCTAAAGATTCTCCCGGTTTGCCAGCCAGTG							

1141

1200

R	P	S	6	K	A	6	V
CAAATGCTCATCAGCTCTTCAAAGGATTCAGCTTTGTTGCAACTTCTATTGCAGAAGAAT							
R	P	S	6	K	A	6	6
CAAATGCTCATCAGCTCTTCAAAGGATTCAGCTTTGTTGCAACTTCTATTGCAGAAGAAT							

1201

1260

R	P	S	6	K	A	6	V
ATAAAATCACTCCTATCACAAGTGCAAATGTATTACCAATTGTTTCAGATAAATGGAAATG							
R	P	S	6	K	A	6	6
ATAAAATCACTCCTATCACAAGTGCAAATGTATTACCAATTGTTTCAGATAAATGGAAATG							

1261

1320

R	P	S	6	K	A	6	V
CTGCACAATTTGGTGAAGTATATGAATTGAAGGAGGATATTGGTGTTGGCTCCTACTCTG							
R	P	S	6	K	A	6	6
CTGCACAATTTGGTGAAGTATATGAATTGAAGGAGGATATTGGTGTTGGCTCCTACTCTG							

1321

1380

Fig. 2e

R P S 6 K A 6 V
 TTTGCAAGCGATGCATACATGCAACTACCAACATGGAATTTGCAGTGAAGATCATTGACA

R P S 6 K A 6
 TTTGCAAGCGATGCATACATGCAACTACCAACATGGAATTTGCAGTGAAGATCATTGACA

1381

1440

R P S 6 K A 6 V
 AAAGTAAGCGAGACCCTTCAGAAGAGATTGAAATATTGATGCGCTATGGACAACATCCCA

R P S 6 K A 6
 AAAGTAAGCGAGACCCTTCAGAAGAGATTGAAATATTGATGCGCTATGGACAACATCCCA

1441

1500

R P S 6 K A 6 V
 ACATTATTACTTTGAAGGATGTCTTTGATGATGGTAGATATGTTTACCTTGTTACGGATT

R P S 6 K A 6
 ACATTATTACTTTGAAGGATGTCTTTGATGATGGTAGATATGTTTACCTTGTTACGGATT

1501

1560

R P S 6 K A 6 V
 TAATGAAAGGAGGAGAGTTACTTGACCGTATTCTCAAACAAAAATGTTTCTCGGAACGGG

R P S 6 K A 6
 TAATGAAAGGAGGAGAGTTACTTGACCGTATTCTCAAACAAAAATGTTTCTCGGAACGGG

1561

1620

R P S 6 K A 6 V
 AGGCTAGTGATATACTATATGTAATAAGTAAGACAGTTGACTATCTTCATTGTCAAGGAG

R P S 6 K A 6
 AGGCTAGTGATATACTATATGTAATAAGTAAGACAGTTGACTATCTTCATTGTCAAGGAG

1621

1680

R P S 6 K A 6 V
 TTGTTTCATCGTGATCTTAAACCTAGTAATATTTTATACATGGATGAATCAGCCAGTGCAG

Fig. 2f

R P S 6 K A 6
 TTGTTTCATCGTGATCTTAAACCTAGTAATATTTTATACATGGATGAATCAGCCAGTGCAG

 1681
 1740
 R P S 6 K A 6 V
 ATTCAATCAGGATATGTGATTTTGGGTTTGCAAAACAACCTTCGAGGAGAAAATGGACTTC
 R P S 6 K A 6
 ATTCAATCAGGATATGTGATTTTGGGTTTGCAAAACAACCTTCGAGGAGAAAATGGACTTC

 1741
 1800
 R P S 6 K A 6 V
 TCTTAACTCCATGCTACACTGCAAACCTTTGTTGCACCTGAGGTTCTTATGCAACAGGGAT
 R P S 6 K A 6
 TCTTAACTCCATGCTACACTGCAAACCTTTGTTGCACCTGAGGTTCTTATGCAACAGGGAT

 1801
 1860
 R P S 6 K A 6 V
 ATGATGCTGCTTGTGATATCTGGAGTTTAGGAGTCCTTTTTTACACAATGTTGGCTGGCT
 R P S 6 K A 6
 ATGATGCTGCTTGTGATATCTGGAGTTTAGGAGTCCTTTTTTACACAATGTTGGCTGGCT

 1861
 1920
 R P S 6 K A 6 V
 ACACTCCATTTGCTAATGGCCCCAATGATACTCCTGAAGAGATACTGCTGCGTATAGGCA
 R P S 6 K A 6
 ACACTCCATTTGCTAATGGCCCCAATGATACTCCTGAAGAGATACTGCTGCGTATAGGCA

 1921
 1980
 R P S 6 K A 6 V
 ATGGAAAATTCTCTTTGAGTGGTGGAACTGGGACAATATTTTCAGACGGAGCAAAGG---
 R P S 6 K A 6
 ATGGAAAATTCTCTTTGAGTGGTGGAACTGGGACAATATTTTCAGACGGAGCAAAGGATT

 1981

Fig. 2g

2040

RPS6KA6V -----

 R P S 6 K A 6
 TGCTTTCCCATATGCTTCATATGGACCCACATCAGCGGTATACTGCTGAACAAATATTAA

2041

2100

RPS6KA6V -----

 R P S 6 K A 6
 AGCACTCATGGATAACTCACAGAGACCAGTTGCCAAATGATCAGCCAAAGAGAAATGATG

2101

2160

R P S 6 K A 6 V - - - - -
 GAGCAATGGTTGCAACATACTCTGCCCTGACTCACAAGACCT
 R P S 6 K A 6
 TGTCACATGTTGTTAAGGGAGCAATGGTTGCAACATACTCTGCCCTGACTCACAAGACCT

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2161

2220

R P S 6 K A 6 V
 TTCAACCAGTCCTAGAGCCTGTAGCTGCTTCAAGCTTAGCCCAGCGACGGAGCATGAAAA
 R P S 6 K A 6
 TTCAACCAGTCCTAGAGCCTGTAGCTGCTTCAAGCTTAGCCCAGCGACGGAGCATGAAAA

2221

2280

R P S 6 K A 6 V
 AGCGAACATCAACTGGCCTGTAAGATTTGTGGTGTTCCTAGGCCAAACTGGATGAAGATG
 R P S 6 K A 6
 AGCGAACATCAACTGGCCTGTAAGATTTGTGGTGTTCCTAGGCCAAACTGGATGAAGATG

2281

2340

Fig. 2h

R P S 6 K A 6 V
 AAATTAAATGTGTGGCTTTTTTCCTATTCTTATCAAAGGCATCGTTGTCTGCTAAATTAC

R P S 6 K A 6
 AAATTAAATGTGTGGCTTTTTTCCTATTCTTATCAAAGGCATCGTTGTCTGCTAAATTAC

2341

2400

R P S 6 K A 6 V
 TTGAATATTAAGTAATATTAAATCCCCATTTTATAGGGGAAGTGAGATTTAAAAAACCATT

R P S 6 K A 6
 TTGAATATTAAGTAATATTAAATCCCCATTTTATAGGGGAAGTGAGATTTAAAAAACCATT

2401

2460

R P S 6 K A 6 V
 CACAGGTCCACAATATTCATACTATGTGTTTGCAGTAGTGTTCAAGTGTTTATTTAAGCA

R P S 6 K A 6
 CACAGGTCCACAATATTCATACTATGTGTTTGCAGTAGTGTTCAAGTGTTTATTTAAGCA

2461

2520

R P S 6 K A 6 V
 TATAATTGGTGTCCACCAGGTCCTCACAACCTTCTCTGCACACAAGCTTCTAAAATTCCTT

R P S 6 K A 6
 TATAATTGGTGTCCACCAGGTCCTCACAACCTTCTCTGCACACAAGCTTCTAAAATTCCTT

2521

RPS6KA6V TCAAATAAAGTTACTTTAATATTT 2403

RPS6KA6 TCAAATAAAGTTACTTTAATATTT 2544

Fig. 3a

1
60
R P S 6 K A 6 V
MLPFAPQDEPWDREMEVFSGGGASSGEVNLKLMVDEPMEEGEADSCHDEGVVKEIPITHH
R P S 6 K A 6
MLPFAPQDEPWDREMEVFSGGGASSGEVNLKLMVDEPMEEGEADSCHDEGVVKEIPITHH

61
120
R P S 6 K A 6 V
VKEGYEKADPAQFELLKVLGQGSFGKVFLVRKKTGPDAGQLYAMKVLKKASLKVRDRVRT
R P S 6 K A 6
VKEGYEKADPAQFELLKVLGQGSFGKVFLVRKKTGPDAGQLYAMKVLKKASLKVRDRVRT

121
180
R P S 6 K A 6 V
KMERDILVEVNHPFIVKLHYAFQTEGKLYLILDFLRGGDVFTRLSKEVLFTEEDVKFYLA
R P S 6 K A 6
KMERDILVEVNHPFIVKLHYAFQTEGKLYLILDFLRGGDVFTRLSKEVLFTEEDVKFYLA

181
240
R P S 6 K A 6 V
ELALALDHLHQLGIVYRDLKPENILLDEIGHIKLTDFGLSKESVDQEKKAYSFCGTVEYM
R P S 6 K A 6
ELALALDHLHQLGIVYRDLKPENILLDEIGHIKLTDFGLSKESVDQEKKAYSFCGTVEYM

241
300
R P S 6 K A 6 V
APEVVNRRGHSQSADWWSYGVLMFEMLTGTLFPQGKDRNETMNMILKAKLGMPQFLSAEA
R P S 6 K A 6
APEVVNRRGHSQSADWWSYGVLMFEMLTGTLFPQGKDRNETMNMILKAKLGMPQFLSAEA

301
360
R P S 6 K A 6 V
QSLLRMLFKRNPANRLGSEGVEEIKRHLFFANIDWDKLYKREVQPPFKPASGKPDFTFCF

Fig. 3b

R P S 6 K A 6
 QSLRLMLFKRNPANRLGSEGVVEIKRHLEFFANIDWDKLYKREVQPPFKPASGKPDDTFCF
 361
 420
 R P S 6 K A 6 V
 DPEFTAKTPKDSPGLPASANAHQLFKGFSFVATSIAEEYKITPITSANVLPVQINGNAA
 R P S 6 K A 6
 DPEFTAKTPKDSPGLPASANAHQLFKGFSFVATSIAEEYKITPITSANVLPVQINGNAA
 421
 480
 R P S 6 K A 6 V
 QFGEVYELKEDIGVGSYSVCKRCIHATTNMEFAVKIIDKSKRDPSEEIEILMRYGQHPNI
 R P S 6 K A 6
 QFGEVYELKEDIGVGSYSVCKRCIHATTNMEFAVKIIDKSKRDPSEEIEILMRYGQHPNI
 481
 540
 R P S 6 K A 6 V
 ITLKDVFD DGRYVYLVTDL MKGGELLDRILKQKCF SEREASDILYVISK TVDYLHCQGVV
 R P S 6 K A 6
 ITLKDVFD DGRYVYLVTDL MKGGELLDRILKQKCF SEREASDILYVISK TVDYLHCQGVV
 541
 600
 R P S 6 K A 6 V
 HRDLKPSN ILYMDESASADSIRICDFGFAKQLRG ENGLLLTPCYTANFVAPEVLMQQGYD
 R P S 6 K A 6
 HRDLKPSN ILYMDESASADSIRICDFGFAKQLRG ENGLLLTPCYTANFVAPEVLMQQGYD
 601
 660
 R P S 6 K A 6 V
 AACDIWSLGVLFYTMLAGYTPFANGPNDTP EEILLRIGNGKFSLSGGNWDNISDGAK---
 R P S 6 K A 6
 AACDIWSLGVLFYTMLAGYTPFANGPNDTP EEILLRIGNGKFSLSGGNWDNISDGAKDLL
 661

Fig. 4

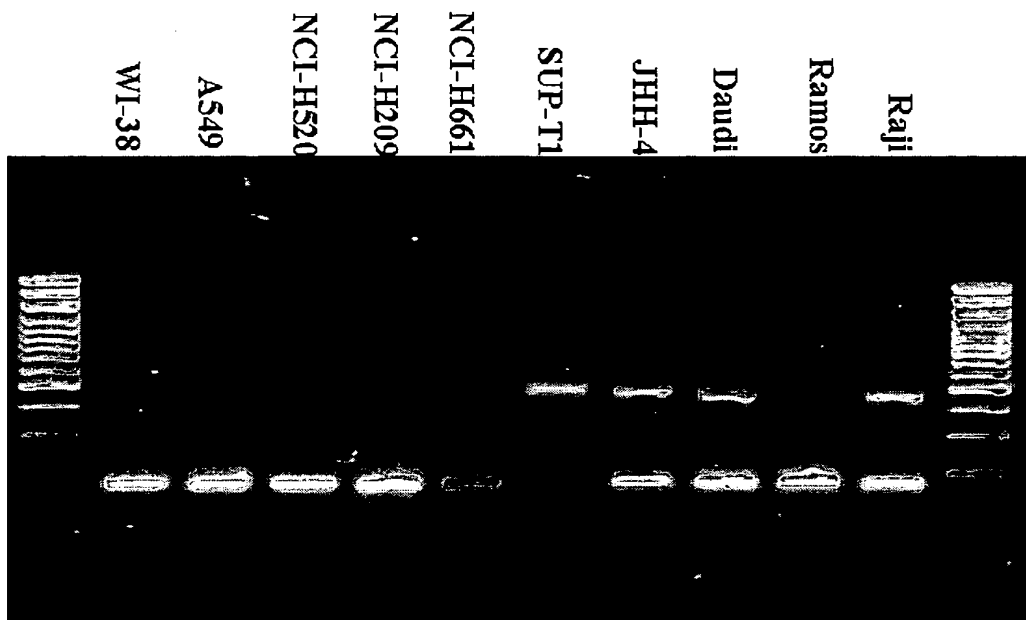


Fig. 5

